



September 7, 2005

Ms. Margaret Lagorio
San Joaquin County Environmental Health Department
304 East Weber Avenue, Third Floor
Stockton, California 95202

02076
06.a4

**Re: Well Abandonment Workplan
ARCO Service Station No. 2076
800 East Kettleman Lane, Lodi, California**

Dear Ms. Lagorio:

URS Corporation Americas (URS), on behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), has prepared this workplan for the abandonment of groundwater monitoring wells MW-1, MW-2, MW-3, and MW-4 and vapor extraction wells VW-1, VW-2, VW-3, VW-4, VW-5, VW-6, and VW-7 at ARCO Service Station No. 2076 at 800 East Kettleman Lane, Lodi, California (site) (Figures 1 and 2). This letter has been prepared based on telephone conversations between the San Joaquin County Environmental Health Department (SJCEHD) and URS.

This site was granted no further action (NFA) status in 1998. ARCO has no further anticipated use for these wells and is requesting approval to abandon them.

SITE DESCRIPTION

The site operates as an ARCO service station with an AM/PM mini-mart. Current site structures include a station building, underground storage tanks (USTs), and associated dispensers and piping.

SCOPE OF WORK

This workplan includes discussion of permitting, well abandonment methods, and report preparation. A health and safety plan has been prepared and will be available on site during field activities.

Permitting

SJCEHD requires permits be obtained prior to the abandonment of wells. URS will submit the appropriate permit applications and fees prior to conducting field activities.

Utility Clearance

Well locations will be clearly marked and Underground Service Alert (USA) will be notified a minimum of 48 hours prior to commencement of field activities. In addition, a private utility location company will survey the site for buried utilities, and the first 5 feet below ground surface (bgs) at each well location will be hand cleared with either an air or water knife to a diameter of 10 inches prior to abandonment activities.

URS Corporation
Crown Corporate Center
2870 Gateway Oaks Drive, Suite 300
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Tel: 916.679.2000
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Well Abandonment Methods

Four groundwater monitoring wells (MW-1 through MW-4) and seven vapor extraction wells (VW-1 through VW-7) will be properly abandoned by a licensed drilling contractor under the direction of a URS geologist. The well locations are presented on Figure 2 and well construction details are presented in Table 1.

The wells will be abandoned by pressure grouting with a Portland cement grout containing less than 5% bentonite powder then over-drilling to 5 feet bgs with 10-inch outside-diameter (OD) hollow-stem augers and filling with a Portland cement grout containing less than 5% bentonite powder to near surface. Surface completions will consist of concrete that will be finished flush to the surrounding ground surface.

Drill cuttings generated during the well abandonment activities will be placed in labeled 55-gallon Department of Transportation (DOT)-approved steel drums and stored on site, pending disposal. A composite soil sample will be collected from the soil cuttings and submitted to the Sequoia Analytical Laboratory for analysis of gasoline-range organics (GRO); benzene, toluene, ethylbenzene, total xylenes (BTEX); and fuel oxygenates by EPA Method 8260B (preparation Method 5030), and lead by EPA Method 6010B.

Report Preparation

Following completion of the field activities, a report will be prepared documenting field activities, well abandonment details, and composite soil sample analytical results.

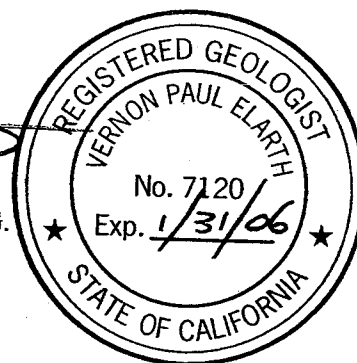
If you have any questions or comments regarding this letter, please call Mr. Vernon Elarth at (916) 679-2299.

Sincerely,

URS Corporation Americas

for Margaret Hogaboom
Staff Geologist

Vernon Elarth, R.G.
Project Manager



Enclosures: Table 1 Well Construction Details
 Figure 1 Site Location Map
 Figure 2 Site Plan

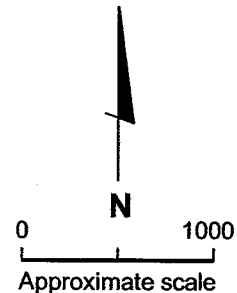
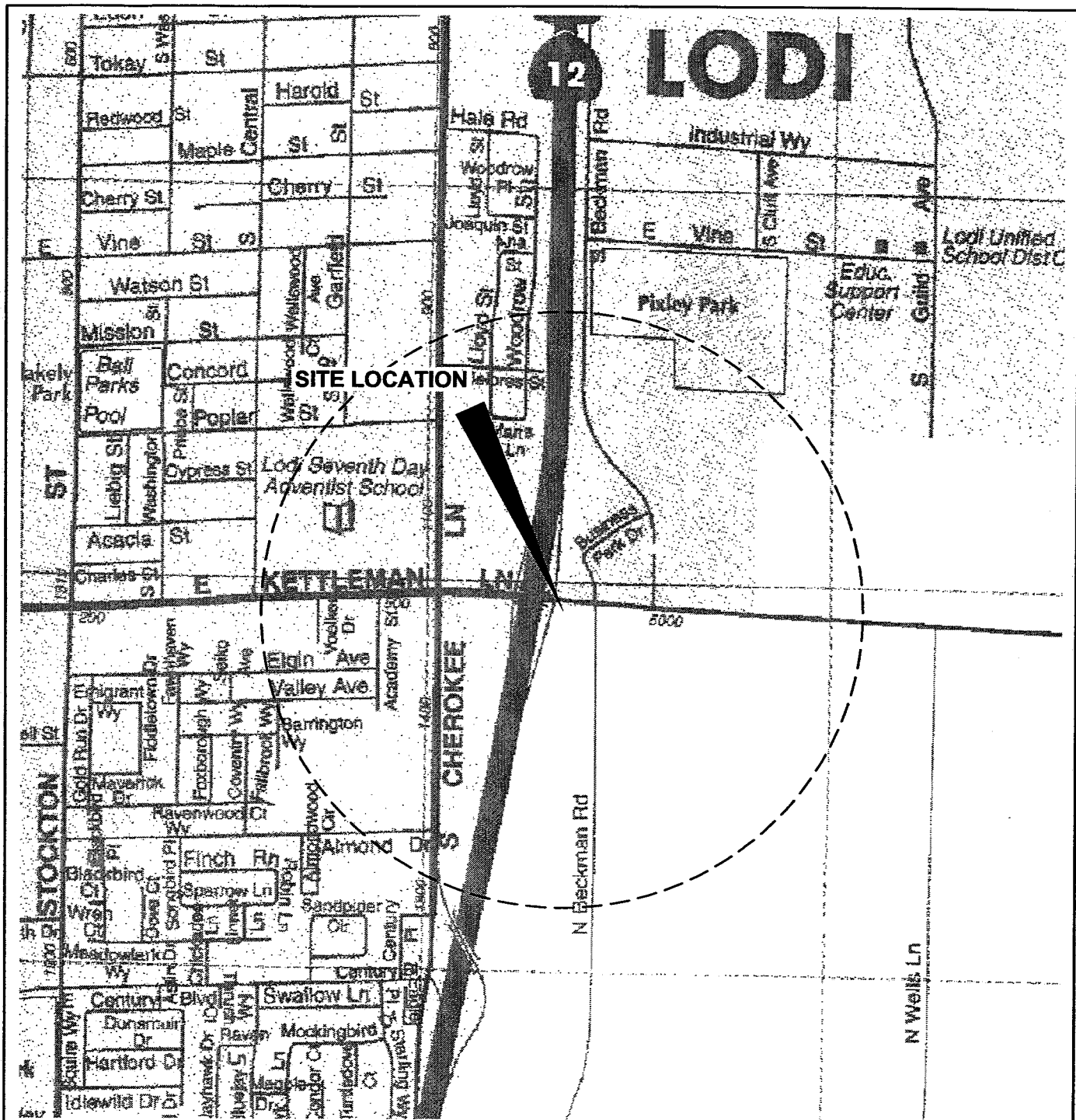
cc: Mr. Paul Supple, Atlantic Richfield Company
 Mr. Jim Barton, CVRWQCB
 Project File

TABLE

Table 1
Well Construction Details
ARCO Service Station No. 2076
800 East Kettleman Lane, Lodi, California

Well ID	Casing Diameter (inches)	Total Depth (feet)
MW-1	4	62.2
MW-2	4	63.1
MW-3	4	63
MW-4	4	62.6
VW-1	4	26.5
VW-2	4	24.8
VW-3	4	24.5
VW-4	4	32.9
VW-5	4	30
VW-6	4	31.7
VW-7	4	30

FIGURES



URS

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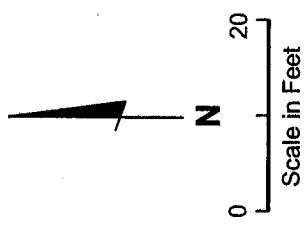
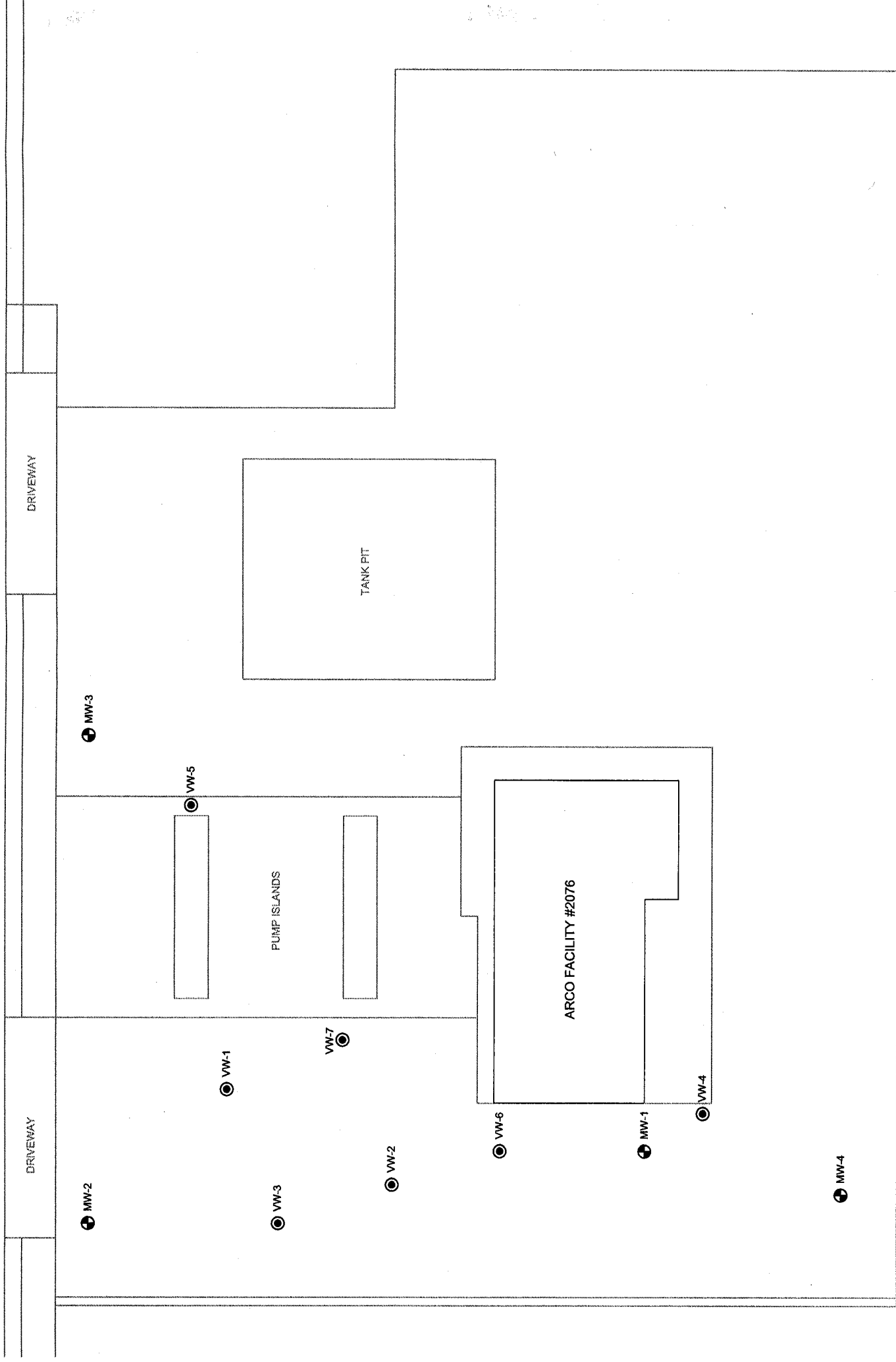
SITE LOCATION MAP

ARCO Service Station No. 2076
800 East Kettleman Lane
Lodi, California

FIGURE

1

EAST KETTLEMAN LANE



LEGEND

- MW-1 MONITORING WELL LOCATION
- VW-1 SOIL VAPOR EXTRACTION WELL



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SITE PLAN

ARCO Service Station No. 2076
800 East Kettleman Lane
Lodi, California

FIGURE

2